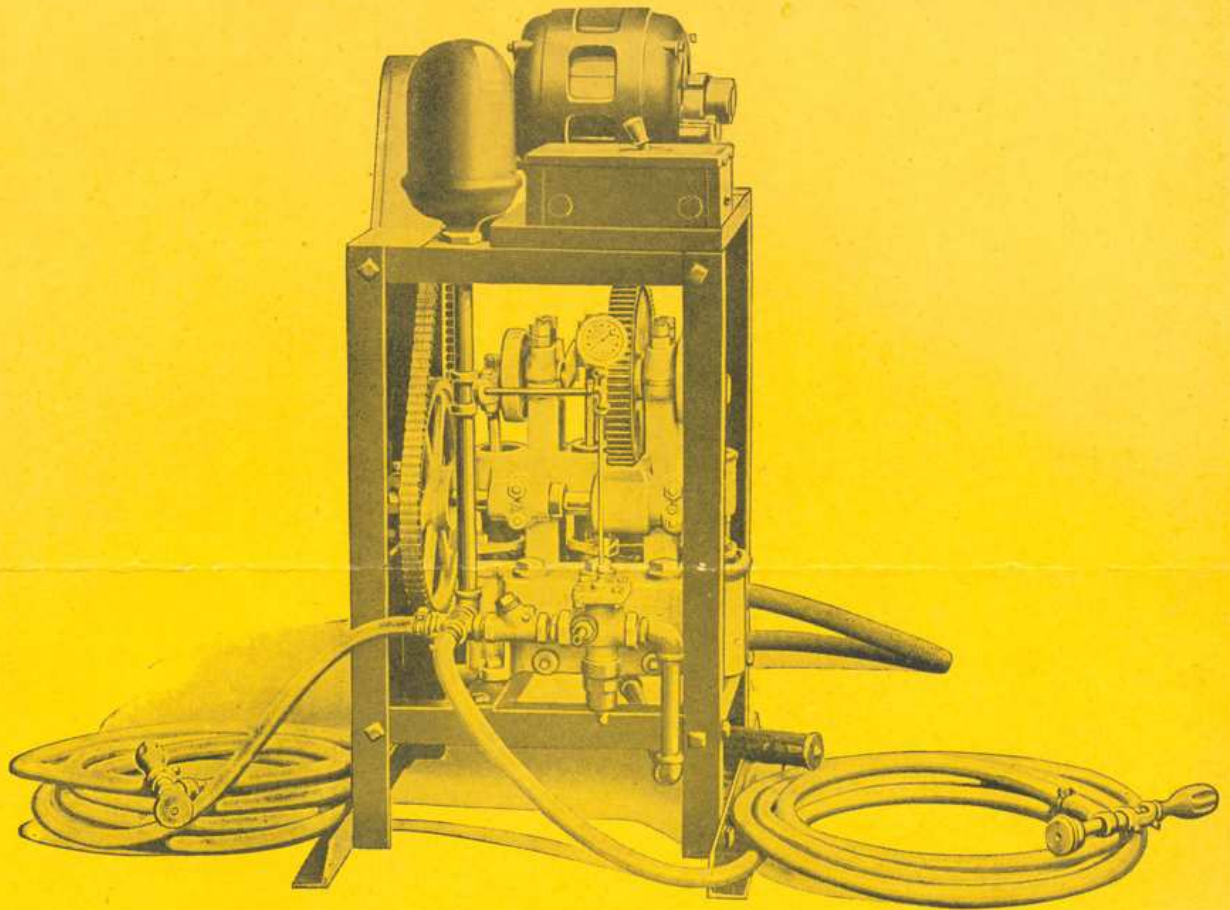


When Equipped with  You Get the Business

Manley Two-Gun Auto Washer



Cat. No. 602 with motor.

Business Builder

An Auto Washer enables you to do better work, save time, save money and to do your work easier and quicker. When a car is poorly washed, the customer does not return, but when a good job has been done, repeat business results and new customers are secured through those who are satisfied.

Better Work

With a Manley Auto Washer a much better job of washing can be done, cars washed cleaner, all inaccessible parts thoroughly cleaned and when the car comes off the wash stand it is not necessary to apologize, make excuses or do part of the work again.

Time Saved

The time consumed in washing cars with the Manley Auto Washer is much less than with the sponge and hose method. In many cases 50% of the time is saved, and with an ordinary man on a wash rack at least 25% should be saved.

Easier Work

The laborious work of washing cars, especially the chassis and wheels, with a sponge, brush and low pressure is eliminated. It is a pleasure to wash a car with this high pressure machine, as all of the dirt, grime and mud is cut off immediately. Grease and oil are washed off with a cleaning solution and the car is then ready for the sponge and chamois.

Saving

The saving in sponges, chamois and brushes is a big item, as these are rapidly worn out when trying to clean the parts that are greasy, dirty and difficult to clean. The saving on these items alone will pay big interest on the cost of the Manley Car Washer.

The average hose on a wash rack discharges about 20 gallons of water per minute. With the Manley High Pressure Machine but three gallons per minute is used with each nozzle, which is a tremendous saving.

There is no piece of Garage Equipment that will pay for itself as quickly as an Auto Washer, and there is no Auto Washer built, at any price, that is better than the Manley Two-Gun Machine.

THE MANLEY MANUFACTURING CO. - - YORK, PA.

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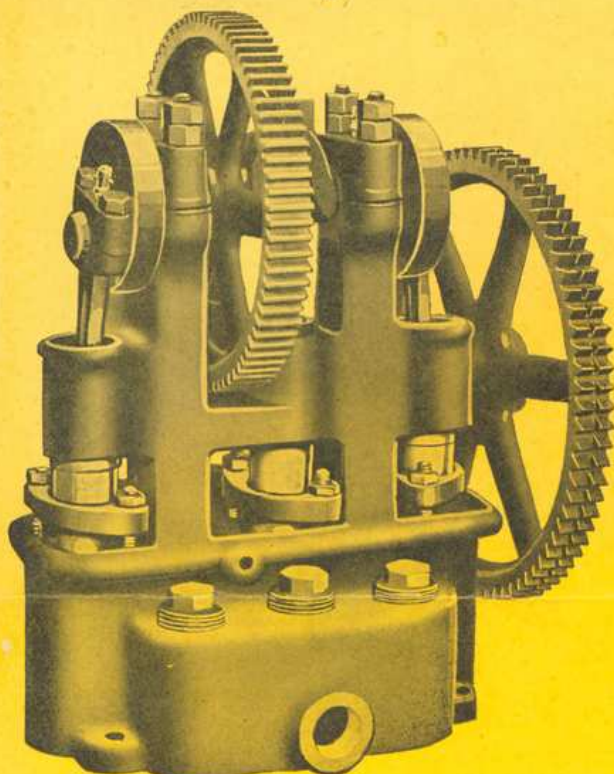
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When Equipped with **Manley** You Get the Business

Manley Two-Gun Auto Washer



Worthington triplex pump.

Easy to Pack

The adjusting nuts on the bronze packing glands are easily accessible for tightening, without the necessity of removing any other parts. The plungers are packed with six rings of packing in each stuffing box, and for this reason it is easy to hold the pressure.

Bronze Valves

The valves in this pump are bronze, operating in a vertical position on bronze seats and are wing guided. The valves are contained in a chamber, cast as part of the pump, on one side being an inlet and the other side an outlet. A pipe plug over each valve allows access to them for inspection, although they do not require packing of any kind.

Drop Forged Crank Shaft

The crank shaft of the Worthington Pump is drop forged, having Babbitt connecting rods with cap screw adjustment for taking up wear. These rods connect to the hollow plungers by means of a wrist pin similar to an automobile piston—the hollow space in the plunger provides a receptacle for oil, in which the wrist pins operate continuously.

Silent Chain Drive

The pump is driven by means of a silent chain from the motor placed upon the top of the steel frame work. The efficiency of this drive is about 98%. For this reason the use of a two horse motor on the Manley Two-Gun Auto Washer is ample. Other outfits using a belt drive under the same condition have efficiency of about 60%, which requires a three horse motor to deliver the same amount of water, as the Manley with a two horse motor. This saves from \$100.00 to \$150.00 per year on electric current. The chain is thoroughly guarded and protected from water by means of a solid sheet steel end and gear guard around the motor sprocket, which is shown in one of the illustrations.

Worthington Triplex Pump

The heart of an Auto Washer is its pump and without a pump that is perfect in design, construction and workmanship, a machine of this type is worthless. In building the Manley Two-Gun Auto Washer, we have selected the Worthington Triplex Pump, built especially for this Machine, by The Worthington Pump and Machinery Company, a corporation having almost unlimited resources and engineering talent for the design and proper construction of a pump to stand up under continuous service. They have been building pumps of this character from 35 to 40 years and it stands to reason that with this experience all weak points are eliminated.

Continuous Flow with the Triplex Pump

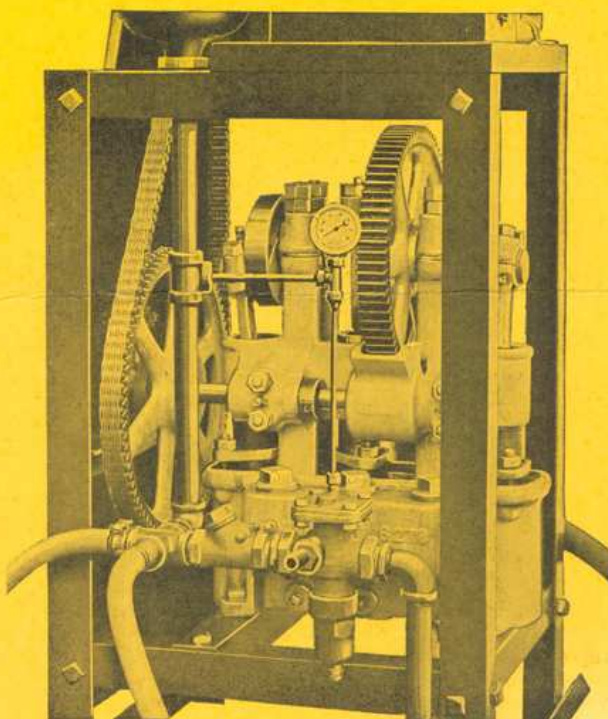
The Worthington Triplex Pump has three cylinders working 120° apart on the crank shaft and for this reason the flow of water is continuous, with a maximum pressure at all times.

Single Casting Pump

The pump itself is a single casting with no packing joints and consequently from this standpoint is trouble proof.

No Cup Washers or Leather Buckets

Each plunger in the pump is guided above the stuffing box. This guide removes all side thrust of the connecting rods and this feature is one of the reasons for the lasting quality of this pump. It is also one of the reasons why the plungers do not wear, and is an outstanding engineering feature of this design. There is no internal packing, cup washers or leather buckets to wear or renew as it is of the displacement type.

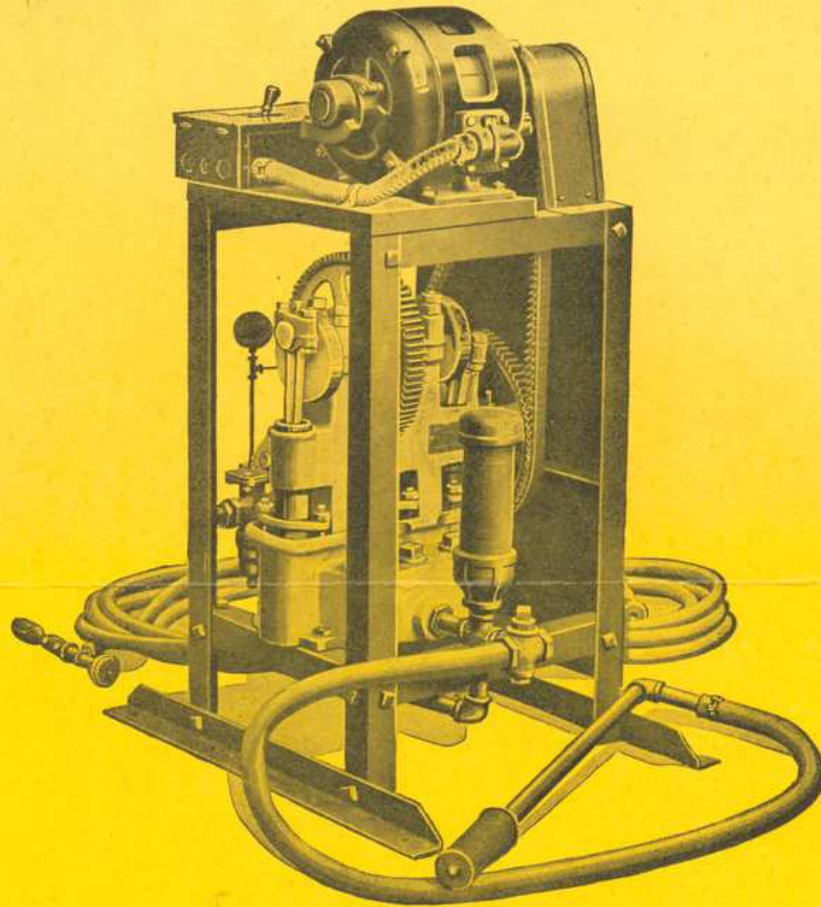


Close-up showing general construction.

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When Equipped with **Garage & Shop Manley EQUIPMENT** You Get the Business

Manley Two-Gun Auto Washer



Vertical machine very compact.

Vertical Machine Very Compact

The unit is built in a vertical position with the motor at the top. The advantages of the construction of this type are many—the principal one being that the Manley Two-Gun Auto Washer occupies from $\frac{1}{3}$ to $\frac{1}{2}$ the floor space of other types of Machines.

The location of the motor is approximately three feet from the ground and is an important factor, as it is high enough from the floor to be out of dirt and grime of the wash stand and is protected from water due to its high location.

Reduction Gears

The reduction gear used in the pump is of exceedingly wide face and coarse pitch with machined cut teeth and operates with the greatest efficiency and is practically noiseless. The caps holding the pinion shaft are split and babbitted with the best grade metal and are adjustable for wear.

The switch box is furnished complete with the Manley outfit and is mounted on the top of the framework close to the motor. This box is not an ordinary fuse box but a high grade Thermal time-limited cut-out and should not be confused with a cheap fuse box.

Automatic Control Valve

The Manley control valve is simple in construction and positive in its operation. It automatically unloads the pump as soon as the system is up to pressure. This adds life to the pump and reduces the consumption of electric current. The check valve holds the high pres-

sure in the air chamber, permitting the pump to start against no load. It is not incorporated in the valve, but is individual, and if necessary can be renewed without disassembling any other parts.

Safety Valve

Each Machine is equipped with a safety valve, which automatically discharges the water and relieves the Machine of strain, in case it becomes overloaded thru any cause.

Three-Way Valve on Intake

The suction line contains a three-way valve on the intake to use the Machine direct by piping city water to it, and the valve can be thrown in another position to use the suction hose in connection with a barrel for soap solution, etc.

Lubrication

Lubrication of the motor is by automatic ring oilers—all other parts of the pump are lubricated by the alemite system.

Best Grade of Hose

The hose used in the Manley outfit is of the highest quality and is especially made by one of the largest Rubber Companies to meet the severe conditions of high pressure.

Guns

The Guns used are exceptionally efficient and can be adjusted from the finest mist to a hard cutting stream or any intermediate position.

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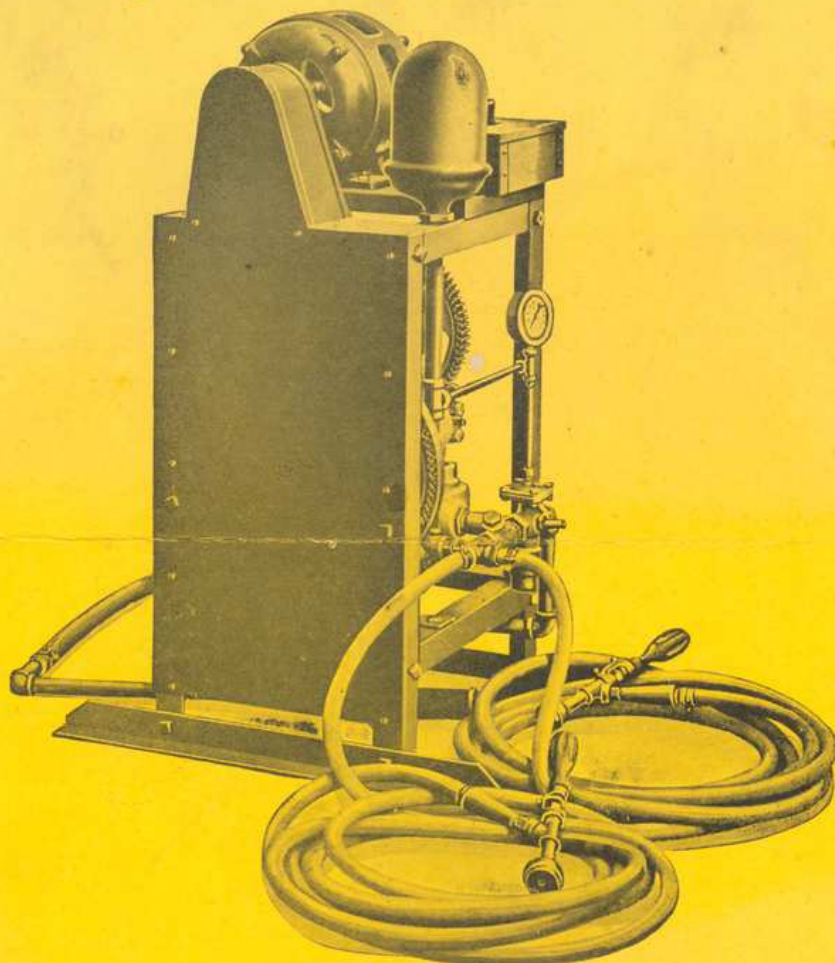
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When Equipped with



You Get the Business

Manley Two-Gun Auto Washer



Fully guarded and protected

HIGH PRESSURE MORE EFFICIENT

The triplex pump on the Manley Auto Washer delivers a pressure of 325 lbs. This assures a hard cutting stream, as well as a finer, softer mist.

SPECIFICATIONS AND PRICES

The height overall is 46 inches. The floor space occupied is 24 in. x 30 in. The size of the water fitting on the suction intake is $\frac{3}{4}$ in. The average shipping weight complete with motor is 575 lbs.

The Washer is furnished complete with triplex pump, safety guards, silent chain drive, six feet of suction hose, two 25 ft. lengths of pressure hose, two guns, automatic pressure controller, pressure gauge and motor.

PRICES

Cat. No.	H. P.	Current	Voltage	Phase	Cycle	Price
602-A	2	A. C.	110, 220, 440, 550	2 or 3	50 or 60	\$416.00
602-B	2	A. C.	110, 220, 440, 550	2 or 3	25	445.60
602-C	2	A. C.	110, 220,	1	50 or 60	467.50
602-D	2	D. C.	115, 230,			464.90

Important: Always specify current, voltage, phase and cycles of motor required.

The electric motors listed above are those most commonly used. If other motors are wanted, specify current cycles, phase and voltage.

N. B. We do not recommend the purchase of a Washer without a motor, because the motor must be accurately aligned at the factory.

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